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Laminated composite mat comprising intumescent and fibre in binder layers -  
useful for resiliently mounting the fragile ceramic or metal monoliths  
found in catalytic converters, diesel particulate filters etc.

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Patent Family (13 patents, 76 countries)

Patent

Application

Number	Kind	Date	Number	Kind	Date	Update
WO 1998004404	A1	19980205	WO 1997GB1971	A	19970722	199812 B
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Priority Applications (no., kind, date). GB 199615720 A 19960726

Alerting Abstract WO A1

A laminated composite mat comprising 2 layers, the first comprising an  
intumescent material and the second comprising inorganic fibres and a  
binder which binds the fibres together and bonds the second layer to the  
first

Also claimed is production of a laminated composite mat as above,  
comprising forming the second layer by a process comprising impregnating a  
fibre mass comprising the inorganic fibres with a liquid binder system  
comprising the binder or a precursor thereof and a carrier liquid, and  
subjecting the impregnated fibre mass to a drying step, preferably  
involving the use of dielectric heating, and optionally while deposited as  
a layer on one side of a preformed sheet comprising the intumescent  
material, so as to at least substantially remove the carrier liquid.

USE - The composite mat is useful for resiliently mounting the fragile  
ceramic or metal monoliths found in catalytic converters and diesel  
particulate filters in their metal casings, to support the ceramic  
monoliths found in hot gas filtration units and coal gasification plants,  
and in gasket applications